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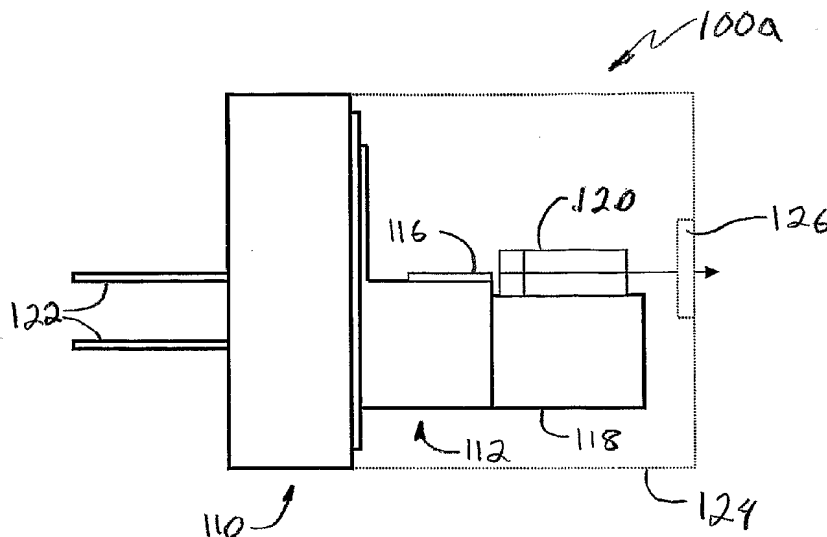
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[Continued on next page]

(54) Title: DIODE-PUMPED MICROLASERS INCLUDING RESONATOR MICROCHIPS AND METHODS FOR PRODUCING SAME



(57) Abstract: One embodiment of a diode-pumped microlaser includes a laser diode pump source and a resonator microchip for producing an output beam, for example, having a wavelength in the green spectral region. The laser resonator microchip may include a laser crystal glued to and aligned with a nonlinear optical crystal. According to one method, a laser crystal wafer and a nonlinear optical crystal wafer are provided and inside surfaces of the wafers are glued to form a bonded wafer assembly. The bonded wafer assembly is diced to form at least one laser resonator microchip.



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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